FAIL-SAFE®

DESCRIPTION

The Fail-Safe VR 2000 12" Square Series combines strength-gaining architecture with energy-saving technology. Architecturally angled facets with radius corners actually increase the ability of the lens to deflect blows and absorb impact. Extra thick injection molded polycarbonate lens incorporates optical design that obscures the lamp image and spreads light evenly. U.L. listed and C.S.A. certified for wet locations.

The durable, versatile 12" Square GC/GW is perfect for use in corridors, dormitories, public rest rooms, rapid transit stations, loading docks and minimum security institutions.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

A ... Lens
One piece injection molded UV stabilized polycarbonate, min. 0.130" thick. All light control prisms & blondels are on the inside surface of the lens, reducing dirt build-up and making cleaning easier.

B ... Fasteners
Four stainless steel TORX® screws with center reject pin. Screw heads are recessed into lens to maximize tamper-resistance. Fasteners are captive in the lens and sealed by means of a neoprene O-ring.

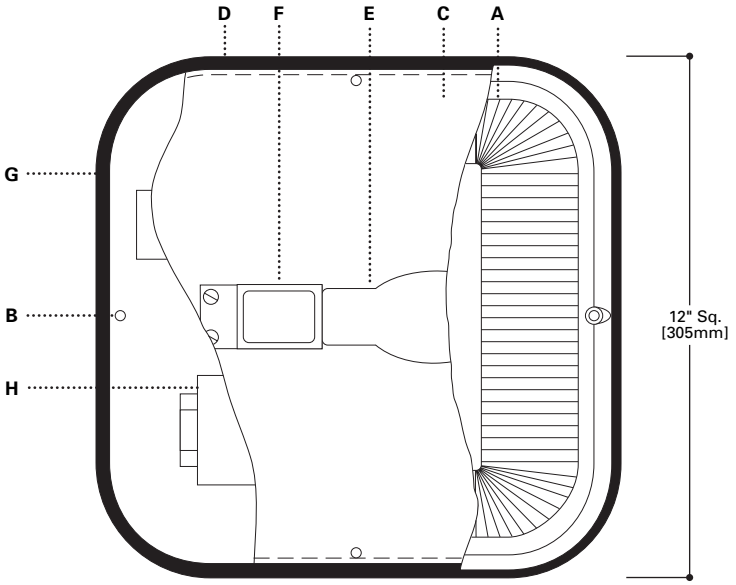
C ... Reflector
16 ga. CRS with white high reflectance polyester powder coat finish.

D ... Housing
Die-cast aluminum with reinforcing ribs on exposed sidewalls. Thickened areas occur at lens junction and at mounting/fastening holes. Four 1/4" dia. fasteners are required for maximum vandal resistance. Four 1/2" NPT conduit entries in sides and one in back of housing. Black polyester powder coat is standard.

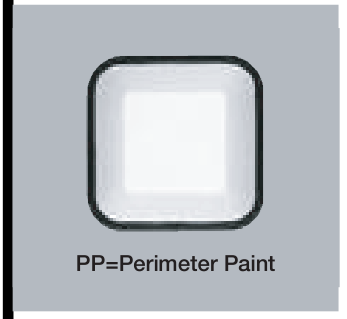
E ... Socket
Porcelain medium base socket with nickel-plated brass screw shell. Shock absorbing socket bracket protects lamp from impact.

F ... Gasket
One piece die-cut closed cell silicone mounting gaskets seal entire lens and housing.

G ... Ballast
Copper wound NPF or HPF ballast are available. Consult ordering information.

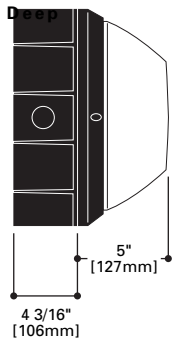


Standard (with lens, no paint)


PP=Perimeter Paint

HE=Horizontal Eyelid

SIDE DIMENSIONS



GC
GW
12" SQUARE

50W - 175W
High Pressure Sodium
Metal Halide

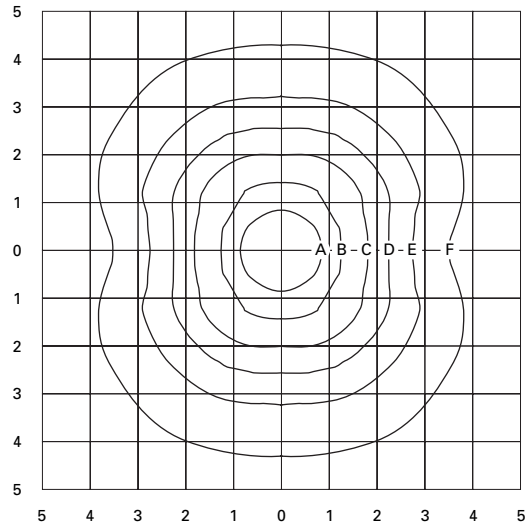
POLYCARBONATE
12" SQUARE LUMINAIRE
Clear Prismatic or White
Vandal Resistant
Luminaire

ENERGY DATA

For Energy Management related technical data to support the performance of this fixture series, refer to the ordering information for input wattage.

TORX® is a registered trademark of Camcar Division of Textron Inc.

Candlepower Distribution



Test No. 766618

HPGC-150N-120V
Lamp=150W HPS
Lumens=16000

Footcandle Table

Select mounting height and read across for footcandle values of each isofootcandle line.

Mounting Height GC-2	Footcandle Values for Isofootcandle Lines					
	A	B	C	D	E	F
6'	22.50	11.25	4.50	2.25	1.13	0.45
9'	10.00	5.00	2.00	1.00	0.50	0.20
12'	5.63	2.81	1.13	0.56	0.28	0.11

ORDERING INFORMATION

SAMPLE NUMBER: HPGC-50N-120V

Lamp Type	Product Family	Paint Configuration	Wattage	Ballast	Voltage	Options	Color	Accessories (order separately)
HP=High Pressure Sodium **MH**=Metal Halide	**12" Square Luminaires** **GC**=Clear Prismatic Polycarbonate Lens **GW**=White Polycarbonate Lens	**PP**=Perimeter Paint **HE**=Horizontal Eyelid (Paint is optional; Black is Standard)	**50**=50W **70**=70W **100**=100W **150**=150W **175**=175W	**N**=Normal Power Factor **H**=High Power Factor	**120V** **208V** **240V** **277V** **347V** **480V** **MT**=Multi-Tap (120, 208, 240, 277V)	**F1**=Single Fused **F2**=Double Fused **LL**=Lamp Included **Q**=Quartz Restrike (Lamp by Others) **QS**=Quartz Socket Only (Lamp by Others)	**Blank**=Black (Standard) **WHT**=White **DBZ**=Bronze **AP**=Gray	**PB-120V**=Photocell Kit **PB-277V**=Photocell Kit **VRSD**=V-R Screwdriver for all Lens Screws **VRSB**=V-R Screwdriver Bit for all Lens Screws

ORDERING MATRIX

LAMP TYPE/ WATTAGE	BALLAST			VOLTAGE			OPTIONS				
MH	W	N	H	120	277	MT	F1	F2	LL	Q	QS
(METAL HALIDE)											
50=50W (1)	-	•	•	•	•	3	•	•	•	•	•
70=70W (1)	-	•	•	•	•	•	•	•	•	•	•
100=100W (1)	-	•	•	•	•	•	•	•	•	•	•
175=175W (1,2)	•	-	•	•	•	•	•	•	•	•	•
HP											
(HIGH PRESSURE											
SODIUM)											
35=35W (1)	-	•	•	•	•	-	•	•	•	•	•
50=50W (1)	-	•	•	•	•	•	•	•	•	•	•
70=70W (1)	-	•	•	•	•	•	•	•	•	•	•
100=100W (1)	-	•	•	•	•	3	•	•	•	•	•
150=150W (1,2)	-	•	•	•	•	•	•	•	•	•	•

Notes:

For additional options, consult your Cooper Lighting Representative. Specifications and dimensions subject to change without notice. Products also available in non-US voltages and 50Hz for international markets.
1. Supplied from factory with deep casting. 2. Not available with white lens. 3. Only available in HPF.